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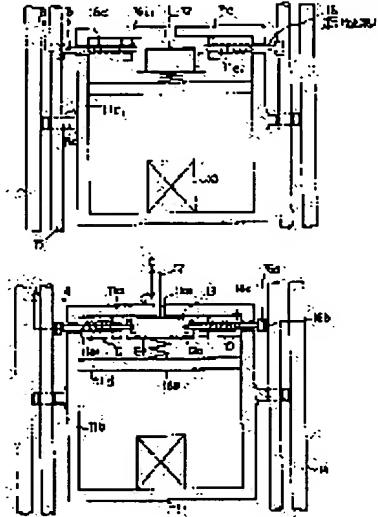
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## (54) ELEVATOR DEVICE

## (57)Abstract:

PURPOSE: To prevent an elevator cage from dropping by furnishing a drop preventive mechanism, which prevents drop of elevator cage in the event of severance of rope.

CONSTITUTION: When a rope 12 holding an elevator cage 11 suspendedly is cut, a suspension plate 13 drops in the direction of arrow E by the gravitational force and the action of a spring 16e of a drop preventive mechanism 16. By this drop of suspension plate 13, a detent metal piece 13a of the suspension plate 13 is set off from a detention hole 16c1 provided in a connecting rod 16c of this drop preventive mechanism 16. This connecting rod 16c is moved in the direction of arrow D by another spring 16d. As a result, a rubber plate 16b affixed to the inner surface of a curved plate 16a, which is fixed to the tip of the connecting rod 16c, is touched to the outside surface of a vertical guide shaft 15 by the spring 16d strongly, and a strong friction force is generated between the rubber plate 16b and the outside surface of the vertical guide shaft 15. This prevents the elevator cage 11 from falling.



## LEGAL STATUS

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